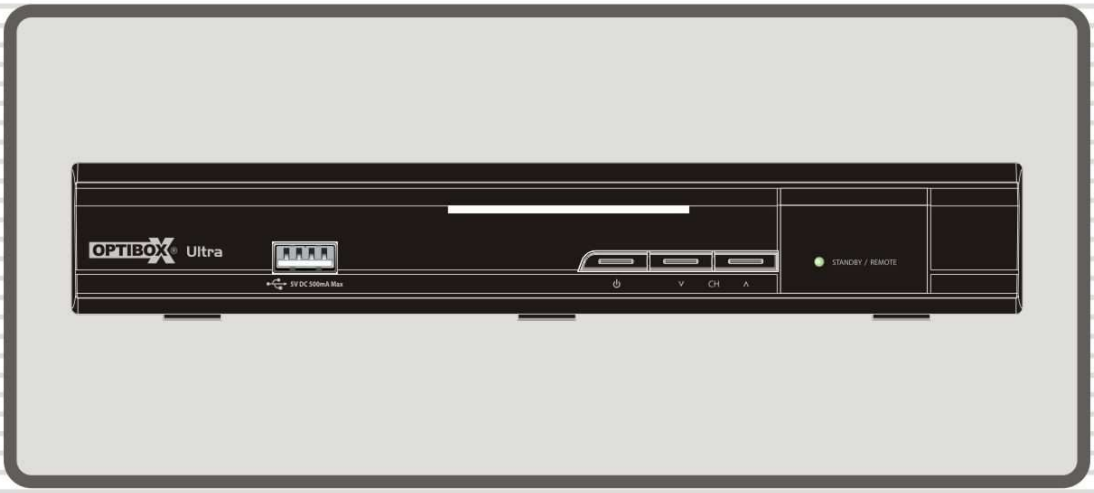
Digital Satellite Receiver
Digital Innovation Life

User's Manual

Light FTA
Ultra
Ultra HDMI



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Precautions

1. Important Safety Instructions

- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water.
- Clean only with dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Do not reverse the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

WARNING : *To Prevent fire or shock hazard do not expose the set to rain or moisture.*

2. Notice

- Do not attempt to service this product by yourself. Do not remove the cover. Refer all serving to qualified service agents.
- These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

- The mains plug is used as the disconnect device. The disconnect device shall remain readily operable.

To reduce the risk of electric shock, do not remove the cover (or back).
No user serviceable parts are inside.
Refer servicing to qualified service personnel.

The Lightning Flash with arrowhead symbol within an equilateral triangle, is intended to alert the user to the presence of un-insulated "dangerous voltage" within the product enclosure that may be of sufficient magnitude to constitute a risk of shock to persons

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product

3. Copyright

This manual is protected by copyright laws.
Copy, use and reproduction of this manual in part or whole without Manufacturer's prior written approval are prohibited.

4. Disclaimer

The manufacturers, distributors and agents are not liable to any kind of damage caused by the use of the information contained in this manual.
The instruction and descriptions which this manual contains are based on the time of this manual's production.
The manufacturer constantly updates it with new functions and technology.
All the specifications are subject to change without prior notice.

Before You Begin

1. Main Features

- ✓ **Digital Satellite Receiver with Conax CARD READER (Ultra & Ultra HDMI)**
- ✓ **Time Shifting with External USB 2.0 Devices (Up to 2 Hours) (Ultra & Ultra HDMI)**
- ✓ **Recording & Playback with External USB 2.0 Devices (Option)**
- ✓ **Event Recording by EPG (Ultra & Ultra HDMI)**
- ✓ **Recording and Time Shifting Simultaneously (Ultra & Ultra HDMI)**
- ✓ **Recording and Playback Simultaneously (Ultra & Ultra HDMI)**
- ✓ **HDMI output (576i output only) (Ultra HDMI)**

- ✓ MPEG-II Digital & Fully DVB Compliant
- ✓ Blind scan
- ✓ Multi-LNB Controlled by DiSEqC Control Version 1.0, 1.1, 1.2 and USALS
- ✓ Multi-Satellite Search
- ✓ Support EPG (Electronic Program Guide)
- ✓ On-Screen Display with 65535 Color Full Resolution
- ✓ Favorite Service Groups
- ✓ Service Sorting by Alphabet, Transponder and CAS
- ✓ Powerful Service Control by Favorites, Lock, Skip, Move and Delete
- ✓ Multi-language Supported (OSD & Menu)
- ✓ Teletext Support
- ✓ Maximum 10,000 services Programmable
- ✓ Multi-picture Display
- ✓ USB 2.0 Host Support(MP3 Player & JPEG Viewer) (Ultra & Ultra HDMI)
- ✓ Parental Lock / System Lock / Installation Lock
- ✓ CVBS, RGB Video & Audio Output via TV SCRAT
- ✓ Software & Service Database upgrade via USB

2. Accessories

User's Manual

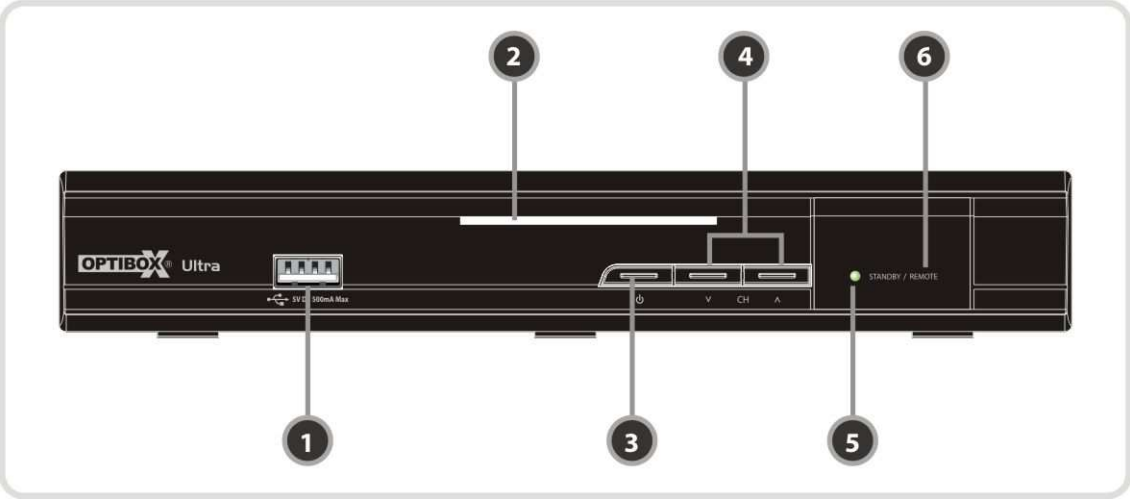
Remote Control

AAA size Batteries X2

NOTE : If any accessories listed above are missing, contact the sales representative where you purchased this unit.

Hardware Description

1. Front Panel Configuration



1. ***USB (Front, Ultra & Ultra HDMI)* :** Use it when connecting to external USB storage device.

2. ***SMART Card Reader (Ultra & Ultra HDMI)* :** Insert smart card for encrypted service access.

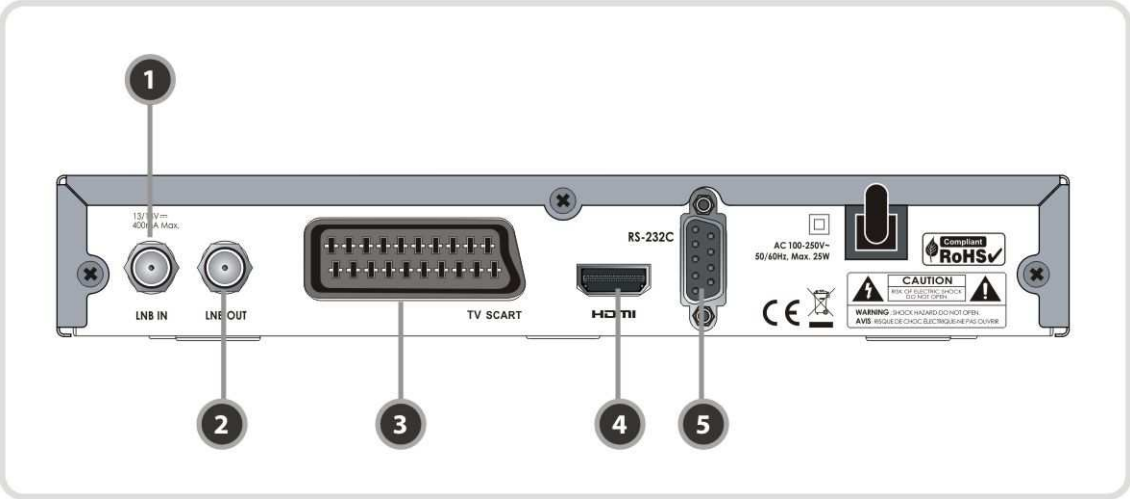
3. ***POWER Button :***
   Press to switch between STANDBY and POWER ON modes.

4. ***CH Up/Down Button*:**
   Press to change services in normal mode, to move the highlighted-bar UP/DOWN in menu mode.

5. ***STANDBY / REMOTE Indication LED(RED / GREEN)*:**
   The LED(RED) lights on in standby mode. / The LED(GREEN) lights on when a key on the Remote Control is pressed.

6. ***Remote Sensor* :**
   Receives signal from remote controller.

2. Rear Panel Configuration



1. ***LNB IN :***
   Use to connect a satellite antenna.

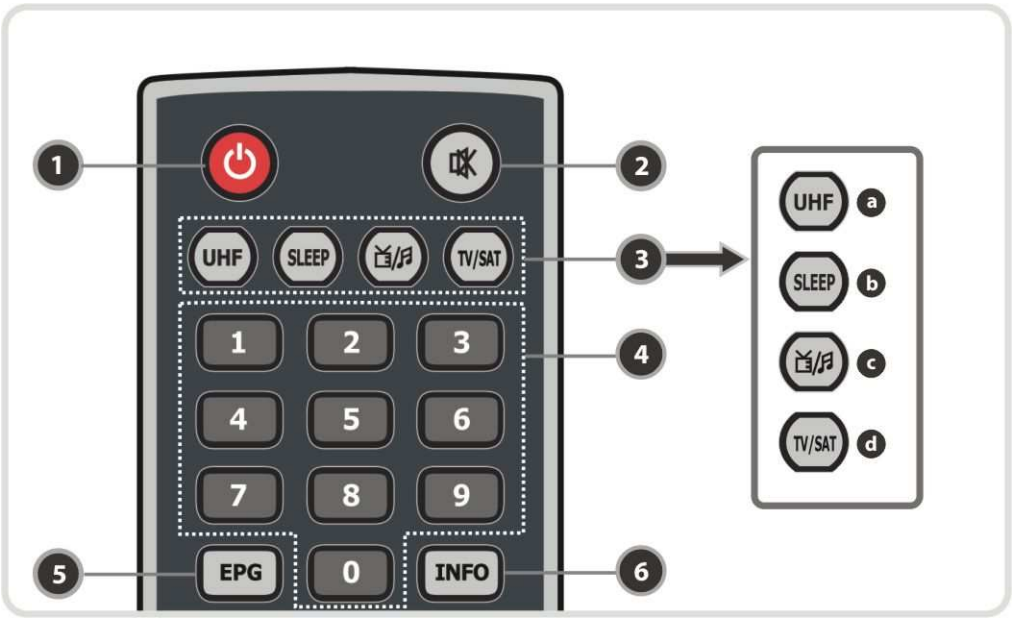
2. ***LNB OUT :***
   Use it when connecting to another STB for loop-through.

3. **TV SCART**
   Use to connect to the TV via a SCART cable.

4. ***HDMI (Ultra HDMI):***
   Use to connect HDMI to digital TV.

5. ***RS-232C :***
   Use it when connecting to your PC.

3. Remote Control Unit



1. ***POWER :*** Turns the STB On/Off.

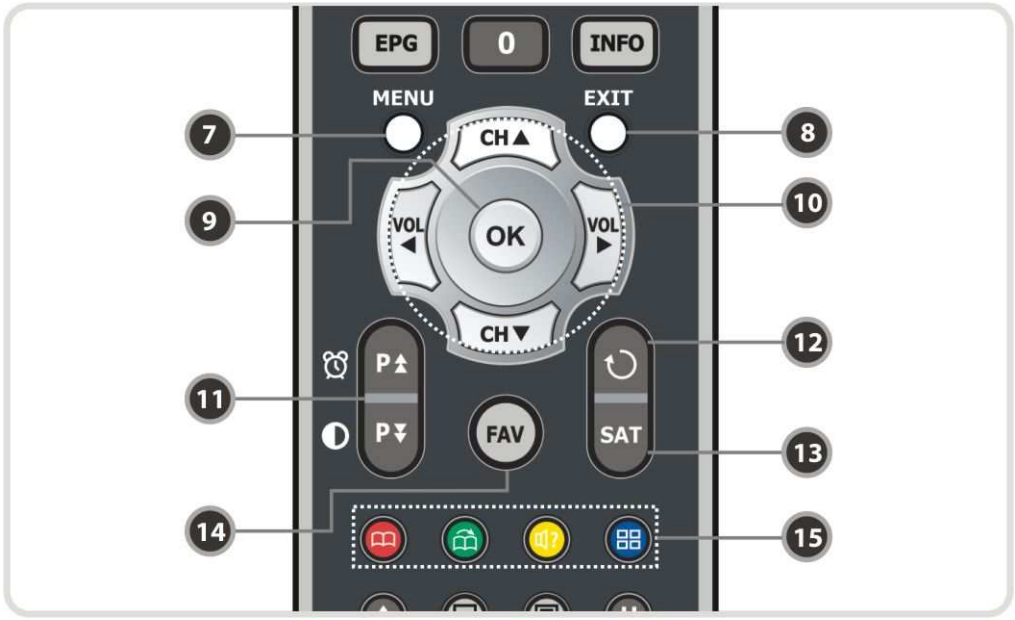
2. ***MUTE :*** Turns the sound On/Off.

3. ***MODE***
   - **a.** ***UHF :*** To adjust UHF service.
   - **b.** ***SLEEP :*** To adjust sleep timer.
   - **c.** ***TV/STB :*** Toggles the TV output source between the cable input(STB mode) and UHF/VHF antenna input(TV mode).
   - **d.** ***TV/RADIO :*** Switches between TV and Radio.

4. ***NUMERIC Keys :*** Controls the numerical operation and service numbers directly.

5. ***EPG(Electronic Program Guide) :*** Show the TV/Radio program guide.

6. ***INFO :*** Shows the information of the current program. If you press one more, detail information box will be shown.



7. ***MENU :*** To enter the main menu or to move to the previous menu.

8. ***EXIT :*** Exit from the menu or pop-up window.

9. ***OK :*** Shows the service list in non-menu mode and select an item or confirm in menu mode.

10. ***ARROW :*** Moves the highlight bar for selecting options on the menus. And this key is used to change services(UP/DOWN) or change audio volume(LEFT/RIGHT).

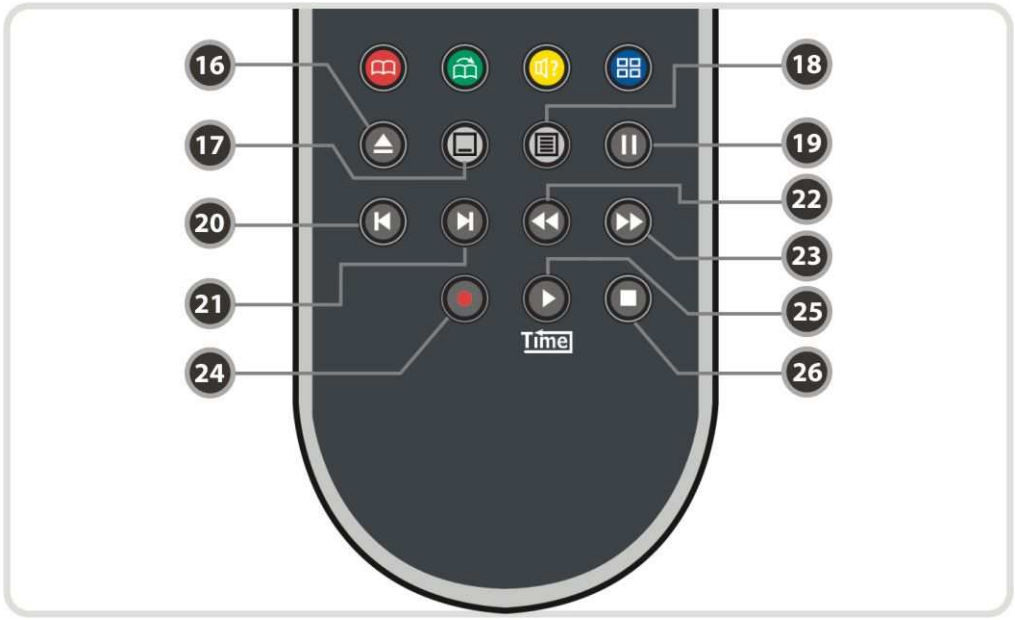
11. ***PAGE UP/DOWN :*** Move to the next or previous page if more than one page are available. PAGE UP key is also used as hot-key to move to Timer Manager menu(Refer to Page 26, **1.2 Timer Manager**). And PAGE DOWN key is also used as hot-key to move to Picture Adjust window(Refer to Page 28 ,**1.6 A/V Output Setting**).

12. ***RECALL :*** Moves to previous service.

13. ***SAT :*** Shows the service list

14. ***FAV :*** To change the favorite groups.

15. ***COLOR Keys :*** Used for special function in menu. **RED** key is used to add or delete the current position as a bookmark. **GREEN** key is used to go to the next bookmark position. **BLUE** key is used to display multiple pictures.



16. PLAY LIST : To display recorded service list.

17. SUBTITLE : To show multilingual subtitle.

18. TELETEXT : To show the digital teletext.

19. PAUSE (Ultra & Ultra HDMI): This key is used to pause the video. Press once more to resume the video.

20. PREV FILE (Ultra & Ultra HDMI): To play the previous MP3 file in MP3 play mode.

21. NEXT FILE (Ultra & Ultra HDMI): To play the next MP3 file in MP3 play mode.

22. REWIND (Ultra & Ultra HDMI): Rewind when the progress bar is displayed. Start reverse playback. Change the speed of reverse playback.

23. FAST FORWARD (Ultra & Ultra HDMI): Start fast forward or fast motion playback. Change the speed of forward playback.

24. RECORD (Ultra & Ultra HDMI): To start recording.

25. PLAY (Ultra & Ultra HDMI) : Display the progress bar of playback when no progress bar is displayed. Start playback with normal speed. Return to normal speed from trick mode.

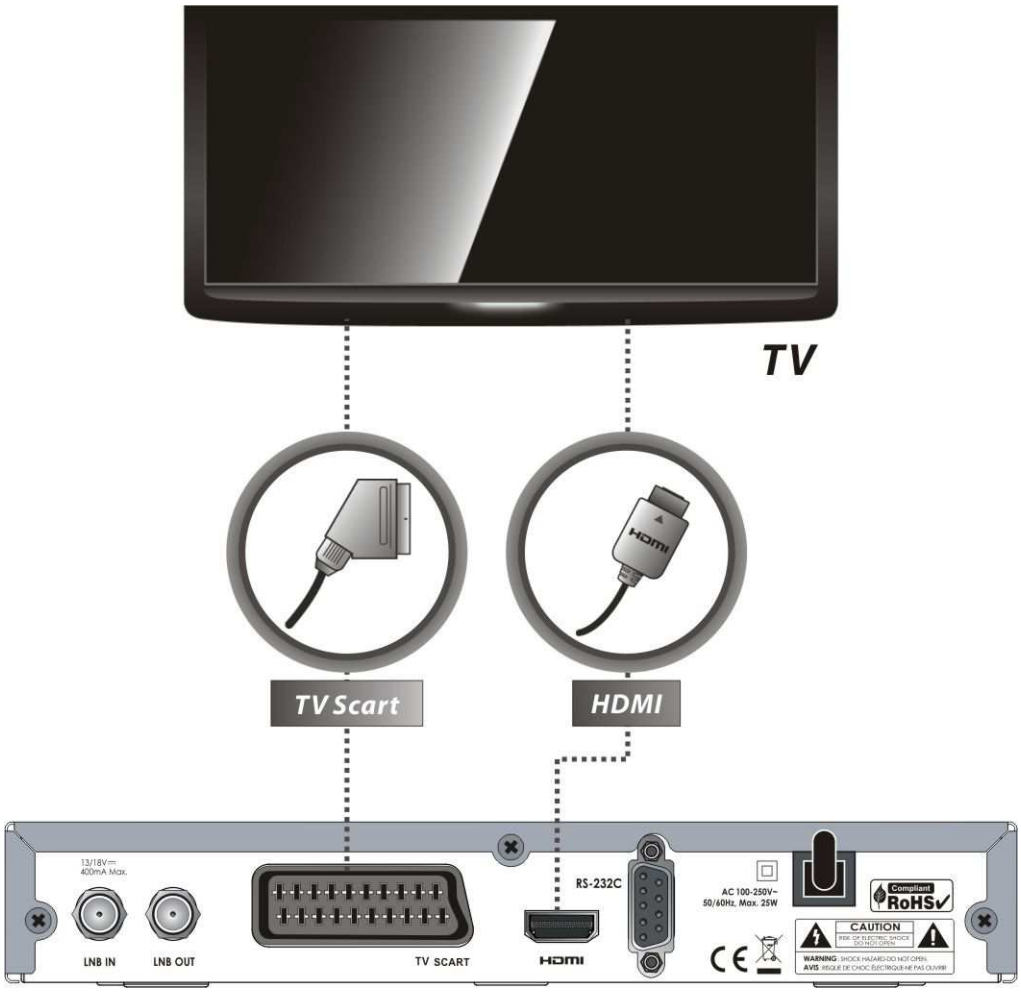
26. STOP (Ultra & Ultra HDMI): To stop time shifting, play back or recording.

NOTE : When inserting batteries, make sure that the polarity (+/-) is correct.

Connections Diagram

1. Receiver to TV with RF

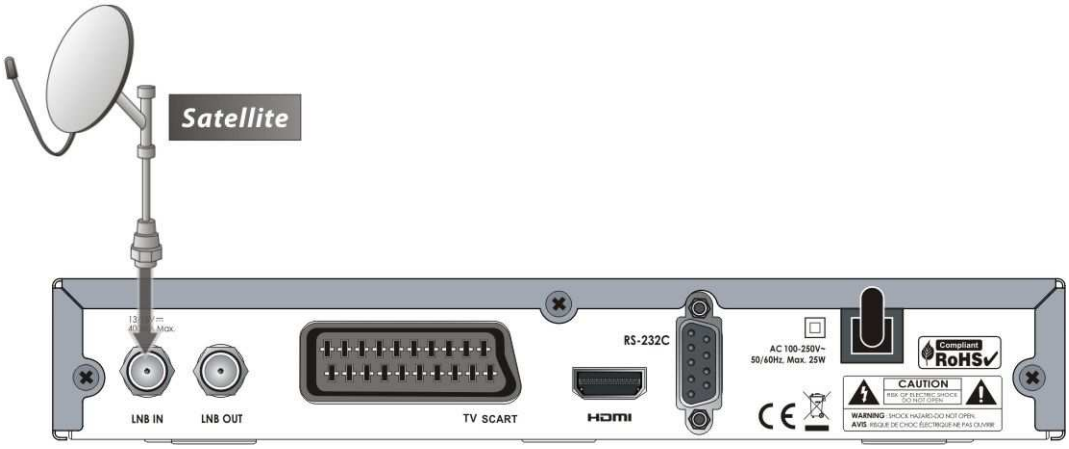
- Connect the satellite antenna cable to LNB IN.
- Connect the TV SCART to SCART of TV.
- If your TV have a HDMI input, connect the HDMI (option) to TV



2. Connecting to Dish

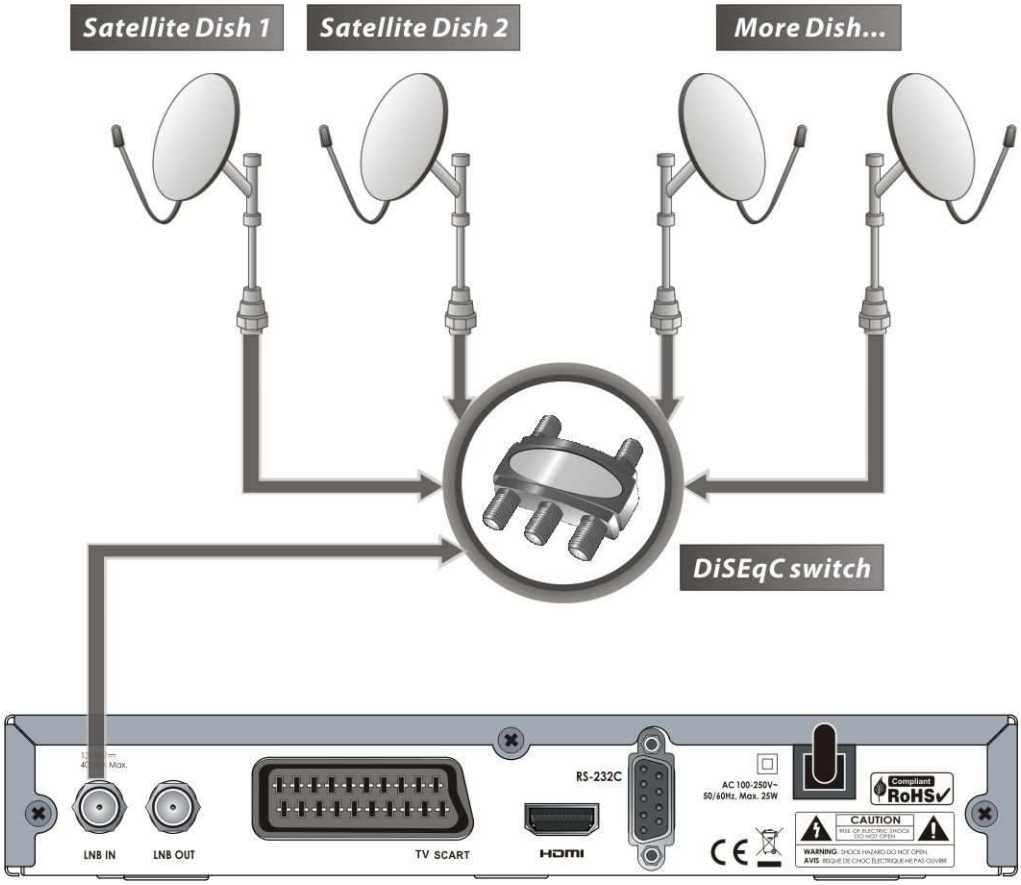
2.1 Using Single DISH

Connect the Satellite Antenna cable to LNB IN.



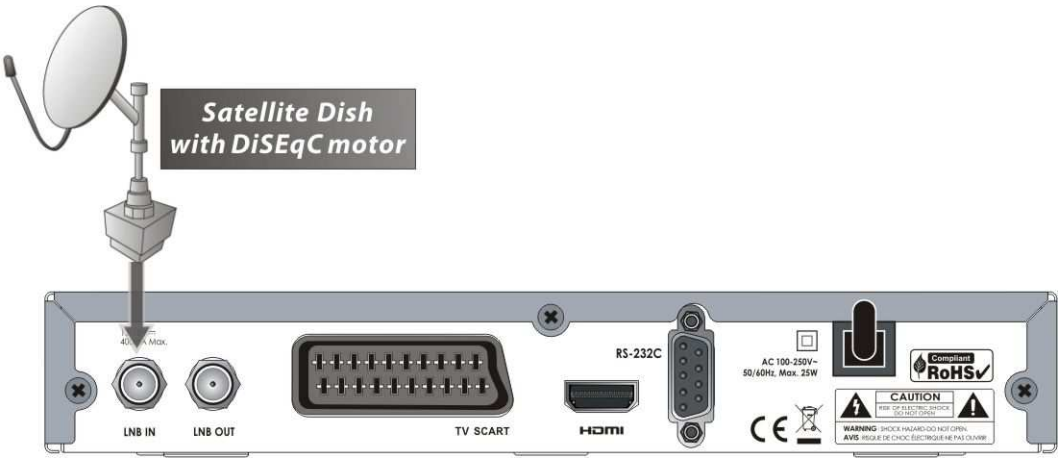
2.2 Using DiSEqC switch

Connect the cable of DiSEqC switch to LNB IN.



2.3 Using DiSEqC motor

Connect the cable of DiSEqC motor to LNB IN.



Guide of Functions

1. Select Service

To select the desired service, you can use below methods.

1.1 Using UP/DOWN buttons

You can navigate between services using **UP/DOWN** buttons. Whenever you press the **UP(DOWN)** button, current service will be changed to next(previous) service. You have to press **UP** or **DOWN** button until find the service you want.

1.2 Using NUMERIC buttons

If you know the service number, enter the number directly using **NUMERIC** buttons.

1.3 Using Service List

To select the desired service in the service list, you should firstly display the service list using **OK** button. Use **ARROW** buttons to select a desired service and press **OK** button.

In the Service List window, you can also use additional functions with **COLOR** buttons. Press **RED** button, you can sort the services by Alphabet, Transponder, Group and CAS. Press **GREEN** button, you can add the service to one of 10 favorites.

2. Information Window

If you want to view the current service information window press **INFO** button. Then the Information window will appear.
This Information window is automatically displayed when changing services. This window contains many items such as service number, service name, scrambled service, Teletext, subtitle, Dolby Digital symbol, duration time and so on. Press **INFO** button once more, you can get more detailed information.

3. Multi-Picture Display.

Press the **BLUE** button to display multiple pictures and **RED** button display 9 or 12 multiple pictures option.

4. Electronic Program Guide (EPG)

Electronic Program Guide (EPG) helps you navigate through all the possible viewing options.
The EPG supplies information such as program listings, start/end times and detailed information about the program listings for all available services. The availability and amount of these program details will vary, depending on the particular broadcaster.

- If you press **EPG** button, EPG menu will be displayed.
- Press the **ARROW** buttons to move to other service or to see previous/next guide.
- Press **EPG** button once to view full EPG (Entertainment Program Guide) and press button twice to view only selected EPG. Press button consecutively to go back and forth.
- Press **GREEN** button to view next day EPG and **RED** button to view EPG for previous day.
- Select the program by using the **ARROW** buttons then set the timer by pressing **OK**.

5. Satellite List

Select the **SAT** (satellite) button to view all satellite listings. Scroll through the various satellites using the **ARROW** buttons, and select the appropriate satellite by pressing **OK**.

6. Favorite Group

Select the **FAV** (favorite) button to view all favorite groups. Scroll through the various favorite group using the **ARROW** buttons, and select the appropriate satellite by pressing **OK**.

7. Volume Control

- To control audio volume while you are watching a service, press **LEFT/RIGHT** button to control volume.
- Volume control bar will be appeared in top of the screen.
- When necessary, press **MUTE** button to turn audio sound on/off.

8. Pause

The **PAUSE** button is used to freeze the video. Press **PAUSE** button once more to resume the video.

9. Subtitle

To display Sub-title press **SUBTITLE** button on your remote control. Sub-title is based on the transmitted data.

10. Audio Track

You can select the audio language list by pressing the **AUDIO** button. Use the **ARROW** buttons to choose the audio track from the list than press **OK** to change.

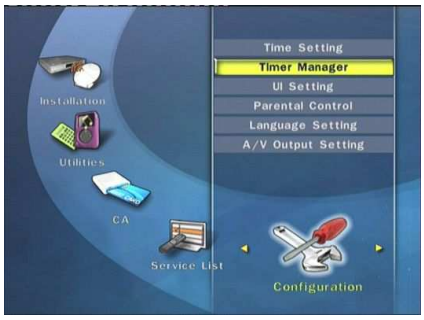
PVR (Personal Video Recorder) Function (Ultra & Ultra HDMI)

1. Recording

1.1 Recording methods

There are two types of recording method.
(***Time Reserved Recording*** / ***Event Reserved Recording***).

- **Time Reserved Recording :**
  - In Timer Manager you may set your time/program during this process.
    (Main Menu > Configuration > Timer Manager)



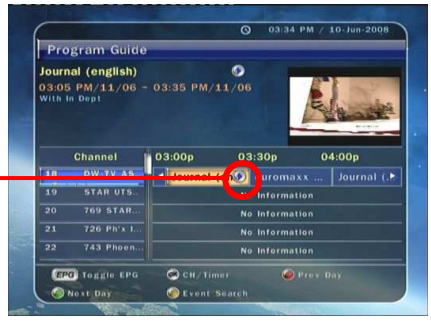
  - Press **GREEN** button to activate the new timer edit screen.

  - Timer Edit screen you may choose start date/time, duration, service, mode, type (Recording/Play) and simply press **Yes** button to reserve you recording schedule. Also, you must set you start time and end time to minimum of 3 minutes; start time must be present time.

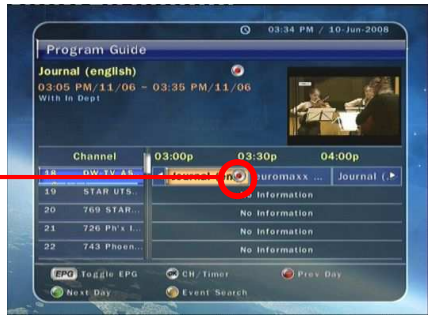
- **Event Reserved Recording :**
  EPG screen choose the event you wish to reserve or record.
  - During LIVE TV press **EPG** button to access EPG screen.

  - Go to the event which you wish to view and then press **OK**. The event will be reserved with BLUE play icon. This BLUE play icon means that you want to just watch the event at the reserved time.

BLUE play icon



- Press the **OK** one more time then the event will be reserved with RED record icon. This RED record icon means that you want to record the event at the reserved time.



RED record icon

- When you set an event for recording in EPG. It automatically set in the Timer Event in ***Main Menu > Configuration > Timer Manager.***

1.2 Instant Recording

At anytime, you may press **RECORD** button to start you recoding instantly.

1.3 Recording Edit

During recording, you may press **RECORD** button to edit recording duration time. As it defaulted to 2 hours but you may increase or decrease as you desire.

1.4 Long Time Recording

During long time recording process 4GB or more, additional files may be created every 4GB. (For example; aaa.ts, aaa.ts1, aaa.ts2… and so on) You must remember not to erase any of duplicated file. These files are only able to view with your PC not with receiver.

1.5 Pause during Recording

- When **PAUSE** button is pressed during recording, only the live video is paused, but recording is continued at the external USB2.0 stroage device.

- Press **PAUSE** button once again and event will resume from the pause time.

- During recording, press **PLAY/TIMESHIFT** button to show Play bar screen.

- While the Play bar is shown on your screen, you may use the **LEFT/RIGHT ARROW** button to move (forward & backward) freely within recorded time.

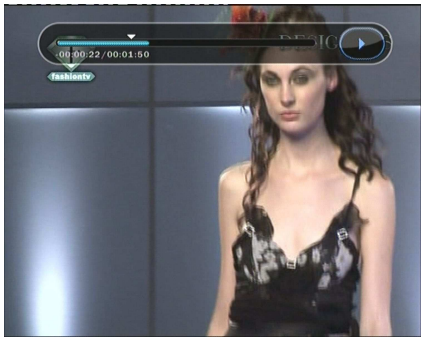
- If you press **STOP** button, it will go to LIVE and you may press **PREV FILE** button to view recorded file from the beginning.

2. Time Shifting (Ultra& Ultra HDMI)

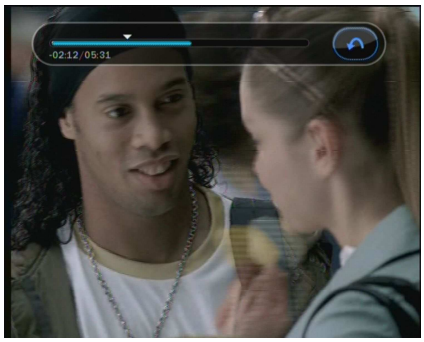
- Press **PAUSE** button to pause the live TV but will continue to record to external USB2.0 stroage device.

- Press **PAUSE** button once again and event will resume from the pause time.

- While watching live TV, press **PLAY/TIMESHIFT** button to show the play bar on your screen.



- When the play bar is displayed on your screen, you may use the **LEFT/RIGHT ARROW** buttons to move freely through recorded times.



- If you press **STOP** button while time-shifting, screen will be turned to live TV channel. You can also use **PREV FILE** button to move to a start location of Time-shifted file.

3. Playback (Play List, Ultra & Ultra HDMI)

- Press the **PLAY LIST** button to activate the Play List screen.

- In Play List you may choose any of pre-recorded event(s) and play it by pressing **OK** button.

- In Play List screen, you may press **RED** button to choose the event you wish to view in order listed in Play List. And, you may press **GREEN** button to choose all event in the Play List.

- In Play List screen, **BLUE** button to delete or rename already recorded event.

- In Play List screen, press **RIGHT/LEFT ARROW** button to change other list. (MP3 Player, Image Viewer)

4. Bookmark

- When Play bar is displayed, you may move to desired time and book mark it by pressing the **RED** button. Bookmark(s) are indicated with Green line on the play bar.

- Also, you may press **RED** button to activate play bar to mark your bookmark(s).

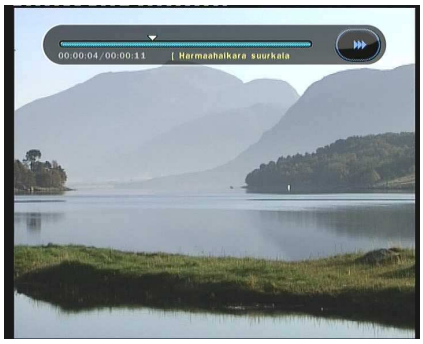
- When the play bar is on, User can move / jump between the bookmarks by pressing the **GREEN** button.

- If you wish to delete any Bookmarks, go to that bookmark by pressing green button, then press **RED** button to delete the current bookmarks.

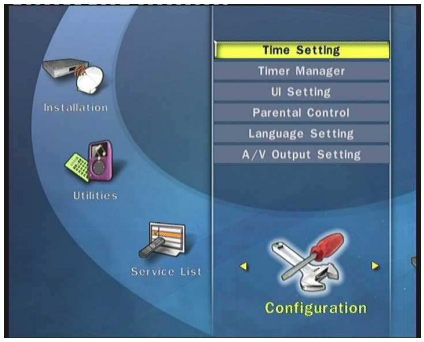
5. Trick mode

- During play, press the **FAST FORWARD** button once to 2X faster than regular playing speed and once more to 3X faster.

- During play, press the **REWIND** button once to 2X faster than regular paying speed.



Guide of Main Menu



To display the menu, press **MENU** button at any time. You can select the sub menu using **ARROW** buttons. The selected sub menu becomes highlighted. When you have selected the sub menu you want, press the **OK** button. If you want to return to the previous menu, press the **MENU** button. And if you want to exit from the menu, press the **EXIT** button.

1. Configuration

1.1 Time Setting

- **Time Setting :**

  To set the current time, you can use two modes; Auto and Manual.

  Auto Time Setting

  - **Local Offset :** Enter the offset value using the standardized information of current service area.
  - **Daylight Saving :** If you want to apply daylight saving, select the country using **ARROW** buttons.

  Manual Time Setting

  - **Date :** Enter the calendar date by using **ARROW** buttons then press **OK** to finish.
  - **Time :** Enter the time by using the **NUMERIC** buttons.

- **Clock Mode :**

  Select the type of clock display(12 Hours or 24 Hours) using **ARROW** buttons.

- **Wake Up Mode :**

  Enter the time for the receiver to automatically power ON.

  And you can choose one of Wake Up Mode as 'off' or 'Once' or 'Daily' or 'Weekly'.

  - **Wake Up Date :** Select the date when STB is turn on. Press **OK** button to display calendar.
  - **Wake Up Days :** Select a day of the week when STB is turn on.
  - **Wake Up Time :** Enter the turn-on time of STB using **NUMERIC** buttons.
  - **Wake Up Service :** Select the service when STB is turn on. Press **OK** button to display service list.

- **Sleep Mode :**

  Enter the time for the receiver to automatically switch OFF and go to standby mode.

  And you can choose one of Wake Up Mode as 'off' or 'Once' or 'Daily' or 'Weekly'.

  - **Sleep Date :** Select the date when STB is turn off. Press **OK** button to display calendar.
  - **Sleep Days :** Select a day of the week when STB is turn off.
  - **Sleep Time :** Enter the turn-off time of STB using **NUMERIC** buttons.

1.2 Timer Manager

- **To add new timer entry :** Press **GREEN** button. Timer Edit window will popup. You can set the specific start date, time, duration and service for its reservation. And you can choose one of Timer Modes as '***Once***' or '***Daily***' or '***Weekly***'. You can choose timer operation type as '***Recording***' or just to '***Play***'.
  - If you choose '***Recording***', it will start recording at that time.
  - If you choose '***Play***', it will change and tune to the service that you wish to watch.

- **To modify existing timer entry :** Choose one timer entry you want to modify and press **OK** button.
- **To delete existing timer entry :** Choose one timer entry you want to delete and press **RED** button.

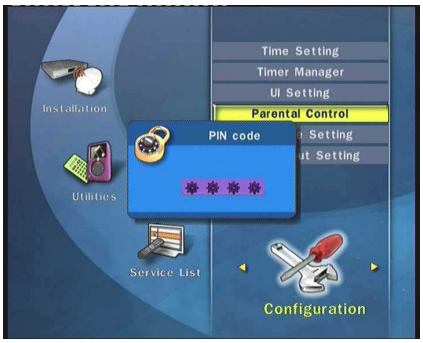
NOTE : If you reserve one or more event through the EPG menu, the reserved event(s) will be added to Timer Manager automatically.

1.3 UI (User Interface) Setting

- **OSD Transparency :** Set the OSD transparent type.
- **Info Box Position :** Set the information window position.
- **Info Box Display Time :** Set the display duration of information window displayed on the screen after changing services.
- **Volume Bar Display Time :** Set the display duration of volume bar displayed on the screen after changing volume.
- **EPG Time Range :** You can set the time range which is displayed at the same time in the EPG window.
- **Zapping Mode :**
  You can set the zapping mode. Black screen means display the black screen when channel changed. Freeze means display the last picture when change.

1.4 Parental Control

Access to services and programs is controlled by a 4-digit secret code that is defined by the user. Whenever you attempt to access parental control menu, the pop-up window will instruct you to input a PIN code.(If necessary, you can change it.)



NOTE : The default PIN code is '0000'

- **Censorship :** Set the parental guidance rating of highlighted censorship classification. The parental level is given as age-based numbers.
- **Change Pin code :** To change your PIN code, input the new PIN code using **NUMERIC** buttons. To verify the new PIN code, input the new PIN code again.
- **System :** Set the accessibility of system.
- **Installation :** Set the accessibility of Installation menu.
- **Configuration :** Set the accessibility of Configuration menu.
- **Edit Service** : Set the accessibility of Edit Service menu.

1.5 Language Setting

- **Menu Language :** Select the desired menu language by using the **ARROW** buttons.

  NOTE : The Kind of languages can be changed depending on the country. Languages are subject to change without prior notice.
- **Audio Language :** Select the default language for audio when changing services. If no language is provided, then the default language of current service will be automatically selected.
- **Subtitle Language :** Select the default language for subtitle when changing services.

1.6 A/V Output Setting

- **TV Type :** Select the TV types.(***PAL/NTSC/Auto***) In Auto mode, the STB is automatically selected as NTSC or PAL according to the service played.
- **TV Aspect Ratio :** Select the aspect ratio of TV which is connected to STB.(4:3/16:9).
- **Display Format :** Select the format which the video is to be displayed on screen. (Letter Box/Pan Scan) In case of 16:9 mode, this option is not available.
- **Video Output Mode :** When you use a SCART cable to watch TV, you can select the video output mode. (CVBS or RGB)
- **Sound Mode :** Set the audio mode which is output from the RCA jack. (***Stereo/Mono/Left/Right***).
- **Picture Adjust :** Adjust brightness, contrast and color of screen.

2. Installation

2.1 Dish Setting

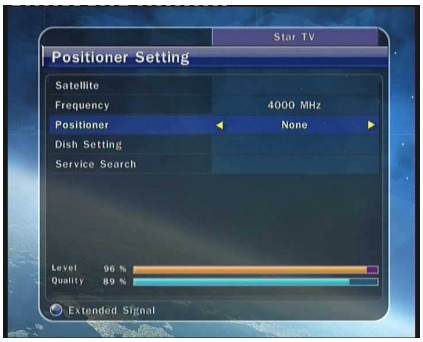
Select the antenna and LNB settings for service search. The values that are set in this menu will be available for selection in other service searching menus.

- **Satellite :** Select the satellite what you want to search the service.
  - Press the **LEFT/RIGHT** button to select the satellite.
  - Select the wanted satellite name.
  - If the desired satellite name is not listed then select User Defined.
- **Frequency :** Select frequency what you want to check the signal.
- **LNB Power :** Select the LNB power.
- **LNB Type :** Select the LNB type.
- **LNB Frequency :** Select the L.O. frequency that is set to antenna.
  - Use the **LEFT/RIGHT** buttons to select the LNB frequency.
  - If the required LNB frequency is not listed, then enter the frequency manually using the **NUMERIC** buttons.
  - When you select Universal in LNB type, both 9750 and 10600 are supported at the same time. And LNB 22KHz setting is disabled.

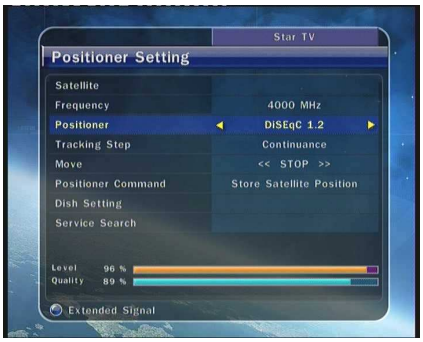
- **LNB 22 Khz :** When you use a dual LNB or two antennas connected to a 22 KHz tone switch box, make 22 KHz tone switch enable or disable to select LNB or antenna.
- **DiSEqC 1.0 :** If you use a DiSEqC 1.0 switch, select one of the DiSEqC inputs.
- **DiSEqC 1.1 :** If you use a DiSEqC 1.1 switch, select one of the DiSEqC inputs.
- **Service Search :** Press **OK** button to move to Service Search menu directly.

2.2 Positioner Setting

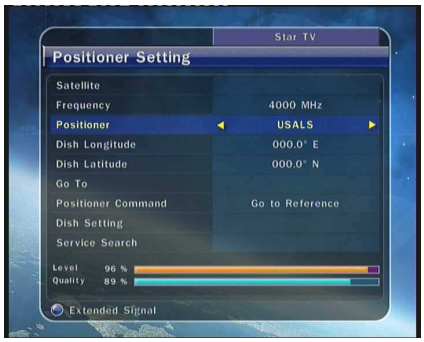
- **Satellite :** Select the satellite what you want to search the service.
  - Press the **LEFT/RIGHT ARROW** button to select the satellite.
  - Select the wanted satellite name.
  - If the desired satellite name is not listed then select User Defined.
- **Frequency :** Select frequency what you want to check the signal.
- **Positioner :** Select the positioner
  - ***None : (No Positioner)***



  - ***Using DiSEqC 1.2 :***
    Move : To move the dish, press **LEFT/RIGHT** button.
    Positioner Command : To use various positioner command, press **OK** button. Then, available positioner commands will appear.
  -



  - ***Using USALS :***
    Move : To move the dish, press **LEFT/RIGHT** button.
    Dish Longitude : Enter the longitude using the **NUMERIC** buttons.
    Dish Latitude : Enter the latitude using the **NUMERIC** buttons.
    Go To : Press **OK** button to rotate the dish to the configured position.



- **Dish Setting :** Press **OK** button to move to *Dish Setting* menu directly.
- **Service Search :** Press **OK** button to move to *Service Search* menu directly.

2.3 Service Search

- **Satellite :** Select the target satellite for search.
- **Search Mode :** Select the following search mode.

Auto Search Mode

- **Satellite :** Press OK button to select multiple satellites.
- **Search Type** : Select the search type.
- **Network Search** : You can select Off or On. When you select 'On', you can find more transponders using the home network. As it refers to NIT during searching, if there is the frequency information of other transponder, it searches the other transponder besides the transponder that the user inputs.
- **Dish Setting :** Press **OK** button to move to Dish Setting menu directly.
- **Positioner Setting :** Press **OK** button to move to Positioner Setting menu directly.
- **Start Search :** Press **OK** button to start search.

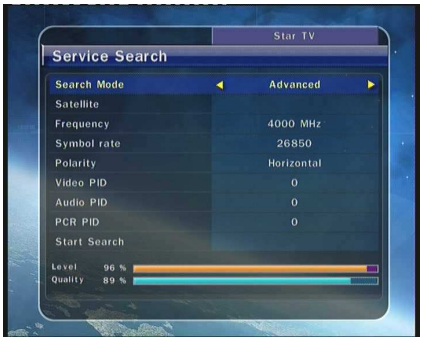
Manual Search Mode

- **Frequency :** Select the frequency from the list to search.
- **Symbol rate :** Enter the symbol rate using the **NUMERIC** buttons.
- **Polarity :** Select the polarity.
- **Search Type :** Select the search type.
- **Network Search :** You can select Off or On. When you select 'On', you can find more transponders using the home
- network. As it refers to NIT during searching, if there is the frequency information of other transponder, it searches the other transponder besides the transponder that the user inputs.
- **Dish Setting :** Press **OK** button to move to Dish Setting menu directly.
- **Start Search :** Press **OK** button to start search.

Blind Search Mode

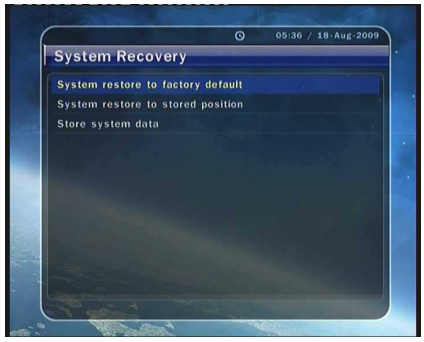
- **Frequency :** Set Auto to search whole frequency, Set Manual to search only desired frequency.
- **Polarity :** Select the Horizontal or vertical polarization you wish to search.
- **Search Type :** Select the search type.
- **Start Search :** Press **OK** button to start search.
- **Dish Setting :** Press **OK** button to move to Dish Setting menu directly.

Advanced Search Mode



- **Frequency :** Select the frequency from the list to search.
- **Symbol rate :** Enter the symbol rate using the **NUMERIC** buttons.
- **Polarity :** Select the polarity.(Vertical/Horizontal)
- **Video PID :** Enter the video PID using the **NUMERIC** buttons.
- **Audio PID :** Enter the audio PID using the **NUMERIC** buttons.
- **PCR PID :** Enter the PCR PID using the **NUMERIC** buttons.
- **Start Search :** Press **OK** button to start search.

2.4 System Recovery



- **System restore to factory default :** This menu allows you to restore the factory set values in case the user has encountered some problems after changing any new values of service data and others which may be in error. Press **OK** button to erase all services and restore default setting.
- **System restore to stored position :** This menu allows you to restore the stored values including service data and system parameters. Press **OK** button to restore all data.
- **Store system data :** If you want to use system parameters and service data in the future, this menu allows you to store current state. Press **OK** button to store current state.

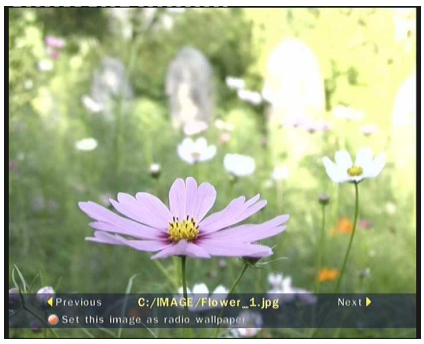
2.5 System Information

This displays general information about what hardware and software version your receiver is running on.

3. Utilities

3.1 USB (Ultra & Ultra HDMI)

- **MP3 Player :** Stick the external USB memory into the provided USB port on front panel. Once inserted, press **OK** button to read external USB memory stick and choose the MP3 file from the window you want to play.
  Press **INFO** Button to show the **ID3 tag** information.



- **Image Viewer :** You can display the image file that is in the external USB memory stick on the screen. Select the image file(JPEG format) and press **OK** button to display the image.

- **Playlist :** You can play the recorded file that is in the external USB memory stick on the screen (Refer to Play List)

- **Format :** Before you use your USB external device, we recommend for you to format it by Format(USB) menu.

NOTE : If you execute format, all data will be deleted.

3.2 Data Transfer (Ultra & Ultra HDMI)

05:17 PM / 10-Jun-2008
Data Transfer
Transfer All System data to USB storage
Transfer Service data to USB storage
Data download from USB storage

- **Transfer all System data to USB storage :** If you want to transfer and use BOTH of the current system parameters and service data in the future, this menu will allow you to store both data to your USB device. Press **OK** button to store current data to external USB storage.
- **Transfer Service data to USB storage :** If you want to transfer and use ONLY the service data in the future, this menu allows you to store current service data. Press **OK** button to store the current service data to your external USB storage.
- **Data download from USB storage :** This menu allows you to download the stored data from the external USB storage to your STB. Press **OK** button to download data.

3.3 Recording Option (Ultra & Ultra HDMI)

- **Recording Stop Message :**
  - ***Set 'On' :*** When you press **STOP** button in recording, confirm window is displayed.
  - ***Set 'Off' :*** When you press STOP button in recording, STB will stop recording immediately with no message.
- **Time Shift(USB) :**

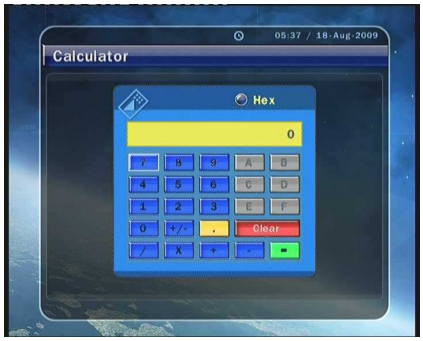
You can adjust the time such as 30 Min / 60 Min / 120 Min.

In this case, time shifting function works automatically up to time you set, if external USB device have enough space. If you set '**off**' this option, time shifting function never works.

3.4 Calendar

To display calendar, press **OK** button. Utilize **ARROW** buttons to choose the date, button **UP/DOWN** will switch from past/next month.

3.5 Calculator



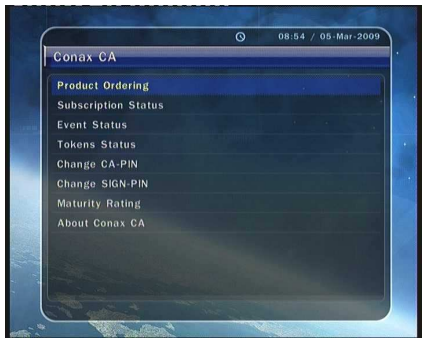
To use a calculator, press **OK** button.

4. CA (Ultra & Ultra HDMI)

4.1 Conax smart card menu

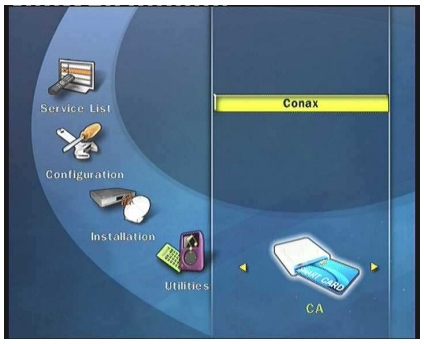
To watch scrambled services, you need to have a appropriate Conax smart card from the service providers.

- Insert a valid smart card into smart card slot.
- The message of 'Smart card Initializing…' will appear on the screen.
- After message disappear, you can watch the service you want.



4.2 Smart card information

You can view the current status of smart card.
Select the slot what you want to view using **ARROW** buttons. And press **OK** button.



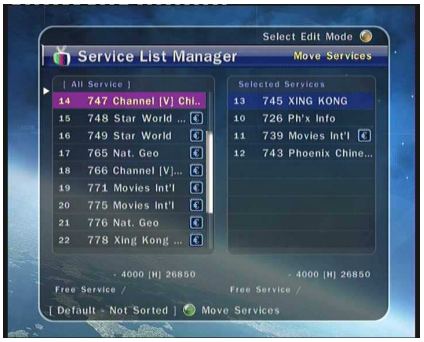
5. Service List

5.1 Service List manager

Service List Manager menu will be appeared when press **OK** button. You can select Edit Mode by press **YELLOW** button.

- **Lock Services :** All service lists will be shown on left side of window, right side will show make service to be lock. By using **ARROW** and **OK** button you may move the chosen service to right side window to lock service.

- **Move Services :** All Service Lists will be shown on left window, Service Lists for moving will be shown on right Window. Move the Service to Right window by using **ARROW** and **OK** button, then right window services will be moved to related location when select desired location from the left window.



- **Delete Services :** All service lists will be shown on left side of window. By using **ARROW** and **OK** button you may select services to be delete. And press **GREEN** button to delete the selected services.

- **Skip Services :** All service lists will be shown on left side of window, right side will show make service to be skip. By using **ARROW** and **OK** button you may move the chosen service to right side window to skip service.

- **Set Favorite Services :** Press **FAV** button to mark the favorite group list. Once, favorite group is chosen, left side window will show all service list marked and right side window will show only the marked service list. Using **ARROW** and **OK** buttons you may add any service to the favorite group or delete any service from the favorite group.

- **Edit Services :** All service lists will be shown on left side of window. Move the highlighted bar to the service what you want to edit its name and press **OK** button. Then you can see the virtual keyboard. Using **ARROW** and **OK** buttons, you can edit the service name.

5.2 Service List Option

- **Service List Preview :**
  - ***Setting 'ON'***
    If you change service using **ARROW** buttons and press **OK** button in the Service List, service will be played which you want. But Service List still remains. To remove Service List on screen, press **OK** one more time.
  - ***Setting 'OFF'***
    If you change service and press **OK** in the Service List, service will be played. And Service List disappear at the same time.

- **Lock Favorite Popup :**
  - ***Setting 'ON'***
    If you press **GREEN** button to open Set Favorite menu, you must enter PIN code.
  - ***Setting 'OFF'***
    PIN code is not required.

- **View Only Filtered List :**
  - ***Setting 'ON'***
    If you sort services with any category (A~Z, Transponder, Group or CAS) in the Service List, only filtered services will be shown on the Service List.
  - ***Setting 'OFF'***
    All services will be shown on the Service List. And filtered services are highlighted with yellow color.

Troubleshooting

Problem	Solution
Does not display any message on the front panel.	✓ Check the main power cable and check that it is plugged into a suitable power outlet. ✓ Check you have switch the STB main power switch ON at the rear of the STB.
No Picture	✓ See 'Does not display any message on the front panel' above. ✓ Check the video output port is firmly connected to the TV or VCR. ✓ Check that you have selected the correct channel or Video Output on your TV. ✓ Check the brightness level of the TV
Poor picture quality	✓ See 'No Picture' above. ✓ Check the signal level, if this is low then try adjusting the alignment of your dish.
No Sound	✓ See 'No Picture' above. ✓ Check the volume level of the TV and STB. ✓ Check the Mute status of the TV and STB.
Remote Control does not operate	✓ Point remote control directly towards the STB. ✓ Check and replace batteries.
No or Bad Signal	✓ Check the LNB ; Replace LNB if necessary. ✓ Check the cable from the LNB. ✓ Check the position of the dish; realign dish if necessary. ✓ If you are using a DiSEqC 1.0 switch, check that you have connected the LNBs to the correct connections on the switch. ✓ Check the 'Signal Level' and the 'Signal Quality'.

Specifications

Tuner & Channel Decoder	
Input Connector	F-type, IEC 169-24, Female
Loop through out	F-type, IEC 169-24, Female
Frequency Range	950MHz ~ 2150MHz
Input Impedance	75Ω, unbalanced
Signal Level	-65 to -25dBm
LNB Power	13/18VDC, max.400mA
22KHz Tone	(22±2)KHz, (0.6±0.2)V
DiSEqC Control	V1.0/1.2/USALS Compatible
Demodulation	QPSK
Input Symbol Rate	2 ~ 45 Ms/s
FEC Decoder	1/2, 2/3, 3/4, 5/6 and 7/8 with Constraint Length K=7

MPEG Transport Stream A/V Decoding	
Transport Stream	MPEG-II ISO/IEC 13818
Profile Level	MPEG-II MP@ML
Input Rate	Max. 15Mbit/s
Video Formats	4:3 LetterBox, 4:3 PanScan, 16:9
Video Resolution	720 x 576, 720 x 480
Audio Decoding	MPEG/MusiCam Layer I & II
Audio Mode	Stereo/Joint stereo/Mono
Sampling Rate	32KHz, 44.1KHz and 48KHz

Main System	
Main Processor	Conexant Virgo Ultra
Memory	Flash-ROM : 2 MBytes SDRAM : 32 MBytes

Audio / Video & Data IN/OUT	
HDMI	576i Only (Unly Ultra HDMI)
TV SCART	RGB, CVBS Video, Audio L, R Output
RS-232C	9 pin D-SUB (Male) type, Transfer rate 115Kbps
USB	USB 2.0 Host Support (5 V DC 500 mA Max)

Front Panel	
Slot	1 USB 2.0 Host Slot (Only Ultra & Ultra HDMI) 1 Smart Cart Slot (Only Ultra & Ultra HDMI)
Buttons	3 Buttons(Standby, CH UP/DOWN)
Display	NONE
Indicators	1 LEDs(Standby, Power and Remote: DUAL TYPE)

Power Supply	
Input Voltage	AC 100 ~ 250V, 50/60Hz
Type	SMPS
Power Consumption	Max. 25W
Standby Power	Max. 8W
Protection	Separate Internal Fuse & Lighting protection

Physical Specification	
Size (W x H x D)	220mm X 35mm X 145mm
Weight (Net)	0.7 Kg
Operating Temp.	0℃ ~ +45℃
Storage Temp.	-10℃ ~ +70℃

OPTIBOX®

Digital Satellite Receiver

Light FTA
Ultra
Ultra HDMI

V.10041e